

FIGURE 1A

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underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[CAGCGTCAGACGCAGGGCACTGAGAATGTGCGACAGCGCGCAACGATGAAGTAGCCCCAG
AGGGTCCCTTGAAAAATGAGGCCAGGGTCCC] TGCTGCTGCTTGTCTGCTGCTCGCCCT
GTCCAGGAGCCTGCGGGCAAAGAGTGTGCGTCTCCACCCTGTGA [GTGTCACCAGGAGG
ACGACTTCAGAGTCACCTGCAAGGAGCTCCACCGAATCCCCAGCCTGCCGCCCAGCACCC
AGACTCT] GAAGCTCATCGAGACTCATCTGAAGACCATACCCAGTCTTGCAATTTTCGAGT
CTGCCCCAATATTTCCAGGATCTATTTATCTATAGATGCAACTCTGCAGCGGCTGGAACCA
CATTCTTTCTACAATTTGAGTAAAAAGACTCACATAGAAATCCGGAACACCAGAAGCTTA
ACCTATATAGACCCGTATGCCTTGACAGAGCTCCCCCTTGCTCAAGTTTCTTGGCATTTC
AATACTGGACTTAGAATATTCCTTGACTTGACCAAAATTTATTCACGGACATATTCCTT
ATACTTGAAATCACAGACAACCCCTTACATGACTTCGGTCCCTGAAAACGCATTCCAGGGC
CTATGCAATGAAAACCTTGACCCCTGAAACTGTACAACAATGGATTACTTCAGTCCAAGGA
CATGCTTTCAATGGAACAAAGCTGGATGCTGTTTACCTAAACAAGAATAAATACCTGACA
GCTATAGACAACGATGCCCTTGGAGGAGTATACAGTGGACCAACTTTGCTAGATGTGTCT
TCCACCAGCGTCACCTGCCCTTCCCTTCCAAAGGCCCTGGAGCACCTCAAAGAACTGATCGCA
AAAGACACCTGGACTCTCAAAAAGCTCCCGCTGTCTGTTGAGTTTCCCTCCACCTCACTCGG
GCTGACCTCTCTTACCCGAGCCACTGCTGCGCTTTTAAAGAACAGAAGAAAATCAGGGGA
ATCCTGGAGTCTTTGATGTGTAATGAGAGCAGTATCCGGAACCTTCGTCAAAGGAAATCA
GTGAACATCTTGAGGGGTCCCATCTACCAGGAATATGAAGAAGATCCGGGTGACAACAGT
GTTGGGTACAAACAAAACCTCAAGTTCCAGGAGAGCCCAAGCAACTCTCACTATTACGTC
TTCTTTGAAGAACAAGAGGATGAGGTCTGTTGGTTTCGGCCAAGAGCTCAAAAATCTCAG
GAAGAGACTCTCCAAGCCTTCGAGAGCCACTATGACTACACGGTGTGTGGGGACAACGAG
GACATGGTGTGTACCCCCAAGTCGGACGAGTTTAAACCCCTGTGAAGATATCATGGGCTAC
AGGTTCCTGAGAATCGTGGTGTGGTTTGTCACTGCTGCTGGCTCTCCTGGGCAATATCTTC
GTCTGTCTCATTCTGCTAACCAGCCACTACAAAATGACCGTGCCGCGGTTCCCTCATGTGC
AACTTGCCCTTTGCAATTTCTGCTATGGGGGTATACCTGCTTCTCATTGCCTCTGTAGAC
CTGTACACACACTCTGAGTACTACAACCACGCCATCGACTGGCAGACGGGCCCCGGGTGC
AACACGGCTGGCTTCTTCACTGTTTTTCGCCAGTGAGTTATCACTGTACACACTGACGGTC
ATCACCCCTGGAGCGATGGTACGCCATCACCTTCGCCATGCGCCTGGATAGGAAGATCCGC
CTCAGGCACGCGTACACCATCATGGCTGGGGGCTGGGTTTCCCTGCTTCCCTCTCGCCCTG
CTCCCGATGGTGGGAATCAGCAGCTATGCCAAGGTCAGCATCTGCCTGCCAATGGACACC
GACACCCCTCTTGCACTCGCATACATTTGCTCTGCTTCTGCTGCTCAATGTTGTTGCCTTT
GTTGCTGCTGTTCCCTGCTATGTGAAGATCTACATCACGGTCCGAAATCCCAGTACAAC
CCTCGAGATAAAGACACCAAGATTGCCAAGAGGATGGCTGTGTGATCTTCACTGACTTC
ATGTGCATGGCGCCCATCTCCTTCTATGCGCTGTGCGGCACTTATGAACAAGCCTCTAATC
ACTGTTACTAATACTCCAAAATCTTGTGGTTCCTTCTTACCCCCCAACTCCTGTGCCAAT
CCGTTTCTCTATGCTATTTTACCAAGGCCCTTCCAGAGGGACGTGTTTATCTCTGCTCAGC
AAGTTTGGCATCTGCAAAACGCCAGGCCAGGCCATCAGGGTCAGAGAGTCTGTCCCAAC
AATAGCACTGGTATTCAGATCCAAAAGATTCCCCAGGACACGAGGCAGAGTCTCCCCAAC
ATGCAAGATACCTATGAAGTCTTGAAACTCCAGCTAGCTCCAAAACCTGCAGGGACAA
ATCTCAGAAGAGTATAAGCAAAACAGCCTTGTAAGGAAAGGCTACGCTAGTCACAGTGAG
ACTTACAAAAGGCTGGTTTCTTGAACATGCGTTCCAGTCCCGTGACATGTGAACACATAG
GTCATGCAGGTGATGATTCATAGGGTCAGAGTTCATCTTAGAAAAGTATTGCCTC

FIGURE 2A

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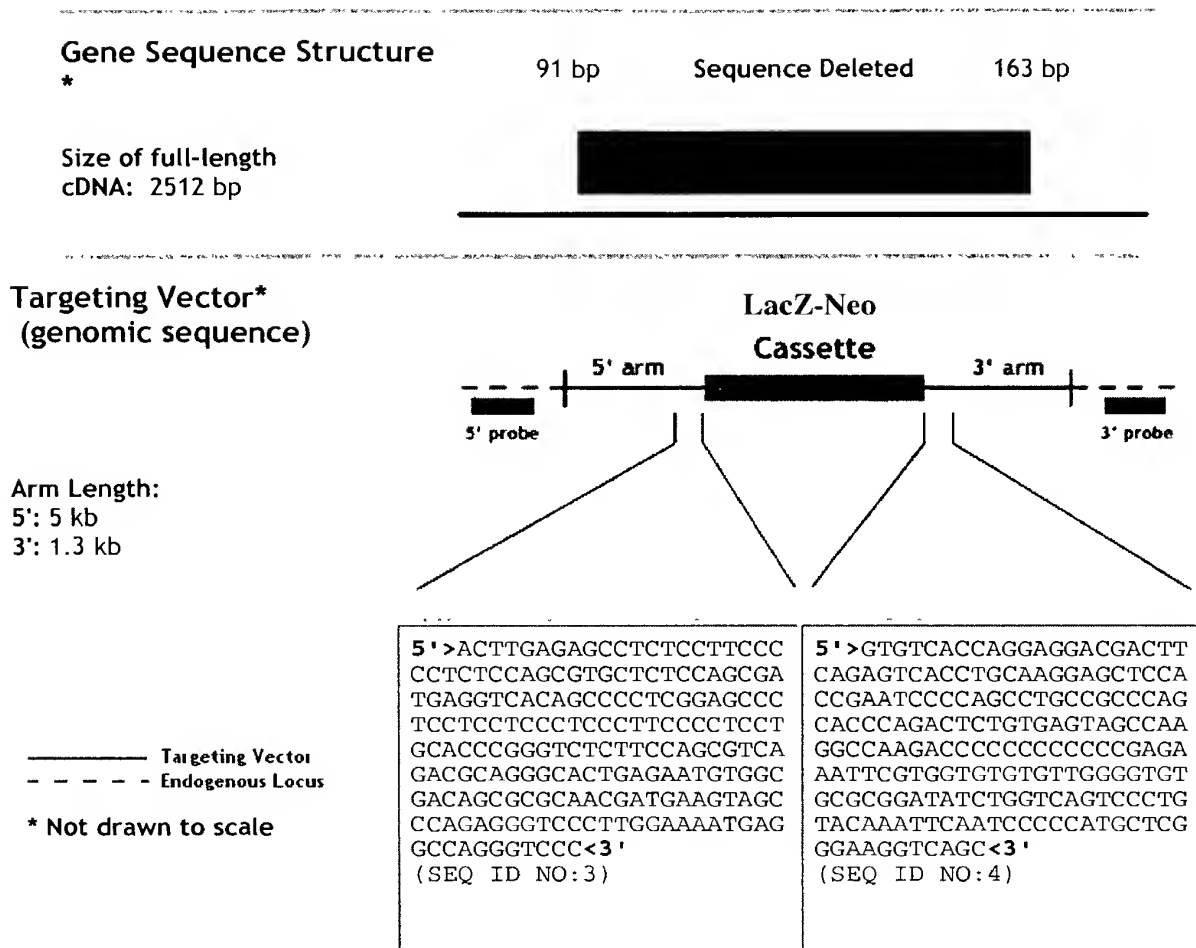


FIGURE 2B

FIGURE 3

Gender	Age at Test (days)	Length (cm)	Body		Spleen		Liver		Kidney		Thymus		Heart		Testes + Epididymis Weight (g)
			Weight (g)	(%)	Weight (g)	(%)	Weight (g)	(%)	Weight (g)	(%)	Weight (g)	(%)	Weight (g)	(%)	
+/- Female	308	9.5	25.191	0.222	0.8813	0.353	1.476	5.8592	0.353	1.4013	0.039	0.1548	0.145	0.5756	
+/- Female	308	9.918	28.180	0.091	0.3229	0.383	5.1348	0.383	1.3591	0.043	0.1526	0.136	0.4826		
+/- Male	308	11.025	55.089	0.182	0.3304	0.694	5.9304	0.694	1.2598	0.074	0.1343	0.219	0.3975		0.35
+/- Male	308	11	42.613	0.136	0.3192	0.485	5.0313	0.485	1.1382	0.052	0.1220	0.201	0.4717		0.387
-/- Female	307	7.978	19.561	0.030	0.1534	0.184	4.4118	0.184	0.9406	0.040	0.2045	0.109	0.5572		
-/- Male	307	9.47	25.557	0.077	0.3013	0.340	5.4545	0.340	1.3304	0.025	0.0978	0.111	0.4343		0.401
-/- Male	307	9.5	25.263	0.051	0.2019	0.296	4.8767	0.296	1.1717	0.027	0.1069	0.102	0.4038		0.389

FIGURE 4